

**EXHIBIT “F”  
HIDALGO COUNTY  
Professional Engineering Services  
Agreement # C-24-0150-05-28**

**WORK AUTHORIZATION NO.2**

**THIS WORK AUTHORIZATION** is made pursuant to the terms and conditions of the Professional Engineering Services Agreement No. C-24-0150-05-28, incorporated herein by reference, for the “[ARPA-23-340-352] Professional Engineering Services - Hidalgo County McAllen Health Center Improvements Project” made by and between HIDALGO COUNTY, action herein by and through the Commissioner’s Court, hereinafter called the “**Owner**,” and B2Z Engineering, LLC, hereinafter called “**Engineer**”.

**PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the **Engineer** to provide Construction Material Testing services for the remainder of the project.

The **Engineer** is to provide the scope of Services as required by the Agreement with Owner.

The scope of services to be provided by the **Engineer** is identified in **Attachment “A”** – “*Scope of Services to be provided by Engineer*” attached hereto and incorporated by reference.

**PART 2. ESTIMATED COST**

The estimated cost for services under this Work Authorization is **\$49,402.00**. This amount is based upon the costs outlined in the **Attachment “B”** – “*Fee Proposal*” attached hereto and incorporated by reference.

**PART 3. PAYMENT**

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the **Professional Engineering Services Agreement No. C-24-0150-05-28** between the **Owner** and the **Engineer**.

**PART 4. FUNDING**

This Work Authorization No.2 shall be funded through funding source:

Account No. \_\_\_\_\_

Requisition Number \_\_\_\_\_ **(MUST BE INCLUDED AFTER CC APPROVAL)**

**PART 5. PERIOD OF SERVICE**

This Work Authorization shall become effective on the date of final acceptance of the parties hereto, and terminate **upon completion of the scopes of the Work Authorization, within the limits of Agreement No. C-24-0150-05-28, provided in this Work Authorization; or on** ( \_\_\_\_\_ **DATE** \_\_\_\_\_ ). *If applicable:* Engineer shall conform to the

approved "Work/Project Schedule", attached hereto and incorporated by reference herein as **Attachment "C"**.

**PART 6. RESPONSIBILITIES AND OBLIGATIONS**

This Authorization does not waive the parties' responsibilities and obligations provided under the **Agreement No. C-24-0150-05-28**.

**PART 7. ACCEPTANCE AND APPROVAL**

This Work Authorization is hereby accepted and approved by the Hidalgo County Commissioners Court and hereby executed and effective as of the date indicated below.

**APPROVED BY COMMISSIONERS' COURT ON AUGUST, 19TH, 2025.**

**Agenda Item No. 100402**

**Executive Office:** \_\_\_\_\_

**ENGINEER:**  
B2Z ENGINEERING, LLC

**COUNTY:**  
COUNTY OF HIDALGO

\_\_\_\_\_  
Aisha Gonzalez, President

\_\_\_\_\_  
Hon. Richard F. Cortez, County Judge

**ATTEST:**

\_\_\_\_\_  
Arturo Guajardo, Jr., County Clerk

**LIST OF ATTACHMENTS:**

**Attachment "A"** – *Scope of Services to be provided by Engineer*

**Attachment "B"** – *Fee Proposal*

**Attachment "C"** – *Approved Work/Project Schedule (If applicable)*



# **ATTACHMENT A**

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## **PROJECT SPECIFIC SCOPE OF SERVICES TO BE PROVIDED BY ENGINEER**

## **ATTACHMENT A**

### **Scope of Services to be provided by the Engineer**

#### **GENERAL SCOPE OF WORK**

The work to be performed by the **Engineer** under this Work Authorization shall consist of; Construction Materials Testing for the McAllen Health Clinic Improvement project hereinafter denoted as the **Project**.

The **Engineer** shall provide all services required (as noted under this Work Authorization) for usage by the **Owner** for the **Project**. The **Engineer** shall maintain a direct line of communication and coordinate with the **Owner** throughout the project.

The **Engineer** shall furnish all equipment, materials, supplies, and incidentals as needed to perform the services required, except as otherwise specified to be provided by the **Owner**.

Specific activities to be performed by the **Engineer** include the following:

#### **CONSTRUCTION MATERIAL TESTING**

The ENGINEER will provide the COUNTY with construction material testing services for the Project. The services to be provided include sampling and testing of all construction materials as required by the project plans and specifications. All sampling frequencies and test procedures will be performed in general accordance with the Texas Department of Transportation TEX methods (or ASTM methods as required) as outlined in the Guide Schedule for Sampling and Testing (11/07). The construction material testing includes, but is not limited to the following:

- a) Sampling and laboratory testing of soils and base materials proposed for use in the construction of Project (Roads/Bridges/Misc.) to determine compliance of these materials with project plans and specifications.
- b) Field density testing of soils and base materials to ensure proper compaction as required by project plans and specifications.
- c) Field sampling and testing of fresh concrete, and laboratory testing of hardened concrete to determine compliance with project plans and specifications.
- d) Field compaction testing of asphalt to ensure proper compaction during lay down operations.
- e) Field inspection, sampling and laboratory testing of asphalt materials to determine their material properties and their compliance with project plans and specifications.
- f) The ENGINEER will be responsible for concrete batching as well as the asphalt testing at the plants to insure delivery of acceptable material to the job site.
- g) Any additional laboratory testing as required/requested by the COUNTY and the project plans and specifications.
- h) Providing accurate and timely reports to the COUNTY and all/other recipients as designated by the COUNTY.
- i) The ENGINEER will verify the concrete and asphalt designs to assure it is in accordance with Project specifications.



# **ATTACHMENT B**

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## **FEE PROPOSAL**



ATTACHMENT "B" - FEE PROPOSAL

B2Z Engineering, LLC.  
 900 S. Stewart Road  
 Suite 4  
 Mission, TX 78572  
 (956) 585-3773  
[Hector@B2ZEng.com](mailto:Hector@B2ZEng.com)

**CONSTRUCTION MATERIALS TESTING**

Hidalgo County Pct. #2  
 McAllen Health Center Improvement Project

DATE  
 07/25/2025

CLIENT  
 ATTN:  
 Hidalgo County Pct. #2  
 Arnold Flores

DESCRIPTION OF WORK  
 Construction Material Testing Services

LABOR	QTY	RATE/ HR	TOTAL
<b>PERSONNEL</b>			
Project Engineer (Oversight)	16.00	\$ 162.39	\$ 2,598.24
Project Manager	8.00	\$ 245.39	\$ 1,963.12
Tech Time	239.00	\$ 104.65	\$ 25,011.35
Vehicle Travel Charge	2367.00	\$ 0.67	\$ 1,585.89
Admin/Clerical	32.00	\$ 83.00	\$ 2,656.00
<b>ESTIMATED LABOR TOTAL</b>			<b>\$ 33,814.60</b>

MATERIALS	QTY	UNIT PRICE/ EA	TOTAL
<b>EARTHWORK</b>			
Atterberg Limits of Soils	3.00	\$ 135.00	\$ 405.00
Material Finer #200 Sieve	1.00	\$ 60.00	\$ 60.00
Sieve Analysis Flexible Base Material	1.00	\$ 90.00	\$ 90.00
Moisture-Density Relationship (Proctor)	2.00	\$ 225.00	\$ 450.00
In-Place Density	124.00	\$ 28.00	\$ 3,472.00
<b>HMAC</b>			
Asphalt Concrete Laydown Observation	16.00	\$ 104.65	\$ 1,674.40
Extraction, Sieve Analysis, Asphalt Content	2.00	\$ 250.00	\$ 500.00
Theoretical Max Specific Gravity & Density	2.00	\$ 95.00	\$ 190.00
In-Place Nuclear Densities Tests	24.00	\$ 28.00	\$ 672.00
Asphaltic Concrete Coring:			
a. Coring rig	2.00	\$ 95.00	\$ 190.00
b. Generator	2.00	\$ 105.00	\$ 210.00
c. Bit Wear - Quartz Aggregate (River Gravel)	48.00	\$ 8.00	\$ 384.00
d. Core Density (1 Core per 5000 sqft)	6.00	\$ 80.00	\$ 480.00
<b>CONCRETE/MASONARY</b>			
Air Content (Pressure Method)	12.00	\$ 25.00	\$ 300.00
Compressive Strength Tests	76.00	\$ 30.00	\$ 2,280.00
Mortar/GROUT Compressive Strength Tests	18.00	\$ 35.00	\$ 630.00
Reinforcing/Structural Steel Observation	16.00	\$ 225.00	\$ 3,600.00
<b>ESTIMATED MATERIALS TOTAL</b>			<b>\$15,587.40</b>

THANK YOU

For questions concerning this estimate please contact

Hector Flores  
 (281) 717-4916  
[Hector@B2ZEng.com](mailto:Hector@B2ZEng.com)  
[www.B2ZEng.com](http://www.B2ZEng.com)

AUTHORIZED SIGNATURE

The specific hourly rate within each classification listed under Labor/Staff Classification depends on the experience, training, and qualifications of the personnel. A two (2) hour minimum billing at the applicable rate will be assessed per visit to project site.

Services provided on Saturday, Sunday and all work in excess of "normal" work hours will be invoiced at an overtime rate of 1.5 times the applicable rate for the work performed. The cost of services is based upon the assumption that services will be provided during "normal" working hours. Normal working hours are between 7:00 a.m. and 6:00 p.m., Monday through Friday.